

Converting Colors

$Yxy(68.9577, 0.2872, 0.3255)$

Have a look what the booklet for
Yxy(68.9577, 0.2872, 0.3255)
contains.

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Color

Yxy(68.9577, 0.2872, 0.3255)

Conversions

Conversions Part 1

Format	Color
Hex	BCDFE2
RGB	188, 223, 226
RGB Percent	74%, 87%, 89%
CMY	0.2629, 0.1254, 0.1137
CMYK	0.17, 0.01, 0.00, 0.11
HSL	185°, 40%, 81%
HSV	185°, 17%, 89%
XYZ	60.8438, 68.9577, 82.0501
YIQ	212.8770, -21.8230, -6.4870

Conversions

Conversions Part 2

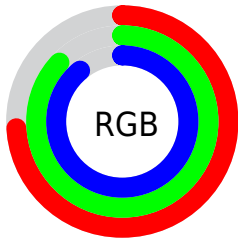
Format	Color
RYB	188, 206, 226
Decimal	12378082
CIELab	86.48, -10.82, -5.30
CIELCh	86, 12.049, 206.119
Yxy	68.9577, 0.2872, 0.3255
Android (android.graphics.Color)	4290568162 (0xFFBCDFE2)
YUV	212.8770, 6.4696, -21.8171
Hunter-Lab	83.0408, -14.5348, -0.4542

Details

The Yxy color **68.9577, 0.2872, 0.3255** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.0261, 0.3443, 0.3325**, and the grayscale version is **66.4156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **36.0139, 0.2809, 0.3243** is the 20% darker color. If you saturate the color by 10%, you get **65.3723, 0.2731, 0.3232**, and if you desaturate by 10%, it is **73.0080, 0.3022, 0.3276**.

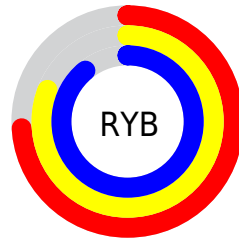
Distribution



Red (74%)

Green (87%)

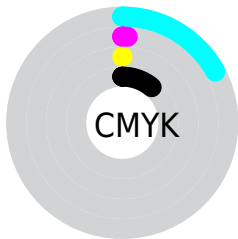
Blue (89%)



Red (74%)

Yellow (81%)

Blue (89%)

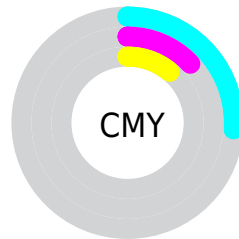


Cyan (17%)

Magenta (1%)

Yellow (0%)

Black (11%)



Cyan (26%)


Magenta (13%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9577, 0.2872, 0.3255 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 68.9577, 0.2872, 0.3255 by changing the saturation by 10% instead.


 68.9577, 0.2872,
0.3255

 68.9577, 0.2872,
0.3255

456.8818, 0.2990,
0.3273

 50.6773, 0.2845,
0.3251


 117.7212, 0.2913,
0.3261

 35.9518, 0.2811,
0.3245


148.9730, 0.2929,
0.3264

 24.3970, 0.2769,
0.3238


185.3173, 0.2943,
0.3266

 15.6284, 0.2713,
0.3228

227.1387, 0.2955,
0.3268

 9.2616, 0.2636,
0.3213

274.8214, 0.2965,
0.3269

 4.9122, 0.2526,
0.3190

328.7499, 0.2975,

 2.1958, 0.2352,

0.3270

0.3149

389.3086, 0.2983,
0.3272

0.7177, 0.1817,
0.3120

0.0000, 0.0000,
0.0000

68.9577, 0.2872,
0.3255

68.9577, 0.2872,
0.3255

65.3723, 0.2731,
0.3232

73.0080, 0.3022,
0.3276

62.2225, 0.2602,
0.3208

77.5342, 0.3177,
0.3296

59.4884, 0.2487,
0.3182

82.4155, 0.3329,
0.3314

57.1456, 0.2389,
0.3155

83.3953, 0.3327,
0.3331

■ 55.1668, 0.2309,
0.3129

■ 84.3851, 0.3325,
0.3349

■ 53.5210, 0.2249,
0.3102

■ 85.3850, 0.3323,
0.3366

■ 52.1723, 0.2208,
0.3075

■ 86.3949, 0.3321,
0.3384

■ 51.0743, 0.2184,
0.3049

■ 87.4148, 0.3319,
0.3401

■ 50.7541, 0.2178,
0.3040

■ 88.4449, 0.3316,
0.3418

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9577, 0.2967, 0.3391



68.9577, 0.2872, 0.3255



68.9577, 0.2844, 0.3133

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.9577, 0.2872, 0.3255



68.9577, 0.3143, 0.3092



68.9577, 0.3369, 0.3525

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.9577, 0.2872, 0.3255



57.0261, 0.3443, 0.3325

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.9577, 0.3419, 0.3438



68.9577, 0.2872, 0.3255



68.9577, 0.3287, 0.3191

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.9577, 0.2872, 0.3255



68.9577, 0.2998, 0.3043



68.9577, 0.3389, 0.3316



68.9577, 0.3253, 0.3549

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.9577, 0.2872, 0.3255



68.9577, 0.2866, 0.3075



68.9577, 0.3389, 0.3316



68.9577, 0.3394, 0.3502

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68.9605, 0.2872, 0.3255



97.0266, 0.3049, 0.3280



68.8139, 0.3090, 0.3713



20.6810, 0.3038, 0.3279



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9605, 0.2872, 0.3255



89.0575, 0.2824, 0.3248



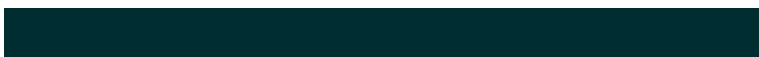
59.5688, 0.2862, 0.3036



15.3791, 0.2982, 0.3271



29.0374, 0.2179, 0.3044



2.0680, 0.2190, 0.3085

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



57.4414, 0.3169, 0.2905



71.4113, 0.3178, 0.2828



65.6475, 0.3408, 0.3532



13.9162, 0.3150, 0.3077



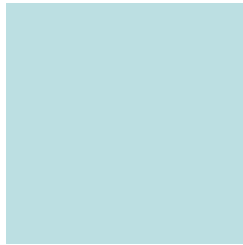
11.8394, 0.3415, 0.1655



0.8262, 0.3380, 0.1636

Previews

White Background



This preview shows how the Yxy color 68.9577, 0.2872, 0.3255 looks on a white background.

Color Contrast Check

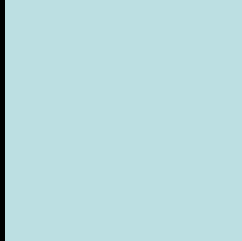
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 68.9577, 0.2872, 0.3255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

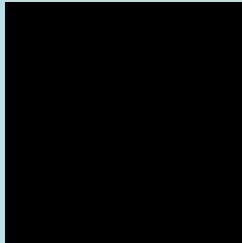
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

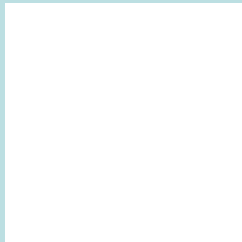
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9577, 0.2872, 0.3255

Background



This preview shows how black text looks on a background with the Yxy color 68.9577, 0.2872, 0.3255.

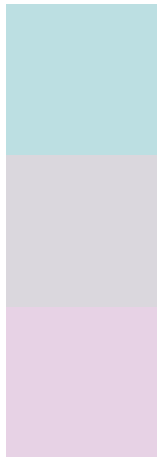


This preview shows how white text looks on a background with the Yxy color 68.9577, 0.2872, 0.3255.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

68.9577, 0.2872, 0.3255

Protanopia

68.7268, 0.3109, 0.3224

Deuteranopia

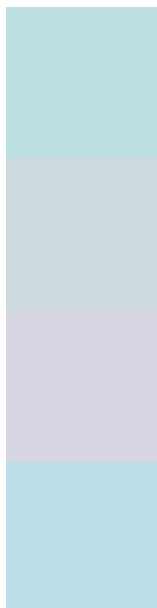
68.7393, 0.3151, 0.3088



Tritanopia

68.8920, 0.2808, 0.3086

Trichromacy



Original Color

68.9577, 0.2872, 0.3255

Protanomaly

68.7359, 0.3017, 0.3234

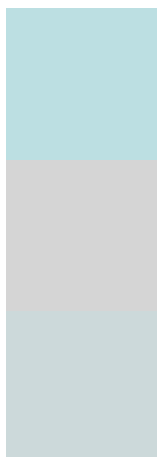
Deuteranomaly

68.6494, 0.3041, 0.3147

Tritanomaly

69.0019, 0.2831, 0.3153

Monochromacy



Original Color

68.9577, 0.2872, 0.3255

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.5250, 0.3028, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9577, 0.2872, 0.3255 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(188, 223, 226)` looks like.

```
.text, #text, p{  
    color:rgb(188, 223, 226)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(188, 223, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 223, 226) }
```

Border

The CSS property to change the border of an element to Yxy 68.9577, 0.2872, 0.3255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 223, 226) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(188, 223, 226) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(188, 223, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 223, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 223, 226);  
box-shadow:4px 4px 4px 4px rgb(188, 223,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9577, 0.2872, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 223, 226) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(188,  
223, 226) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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